

STORM WATER TECHNICAL WORK GROUP

- ♦ How the work group proceeded.
- Determine the storm water regulations/requirements that are applicable to SAM regulated UST sites;
 - → Define regulatory framework
 - → Obtain contact information for all county co-permittees
 - → Develop threshold levels which trigger permits for each permittee
- 2. Define the situations at SAM UST sites when the storm water regulations/requirements will need to be followed. These were eventually grouped into Soil, Water and Transportation categories and non operating sites. These situations were defined as:
 - → Drilling
 - → Excavation from tank pulls, remedial activities and other actions
 - → Installation of remedial systems
 - → Operation and Maintenance
 - → De-watering activities
 - → Soil stockpiles
 - → System closure
 - **→** Non operating sites
- 3. Determine the best management practices (BMPs) that may be recommended for each of the situations noted in #2;
- 4. Draft guidelines for the SAM Manual.



APPENDIXN

Stormwater Best Management Practices (BMPS)



- INTRODUCTION
- REGULATORY FRAMEWORK
- ◆ STORMWATER BMPS FOR SAM SITES

A. Sediment / Soil

- 1. Excavations, UST Removals/Installations, Remediation Trenching
 - → Silt fence
 - Gravel bag barrier
 - → Straw bale barrier
 - → Fiber rolls
 - → Drop inlet sediment barrier
 - Curb inlet sediment barrier

2. Stockpiles

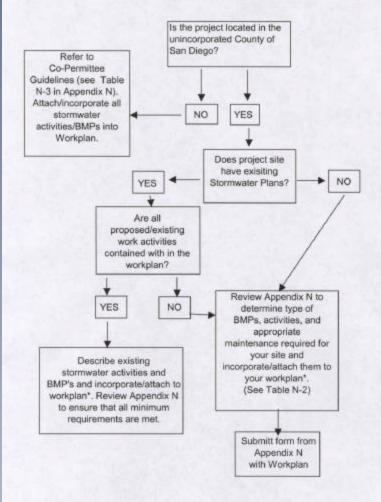
- Locate stockpiles away from concentrated flows of stormwater, drainage courses, and inlets.
- Protect all stockpiles from stormwater run-on using a temporary perimeter sediment barrier such as berms, dikes, silt fences or gravel bag barriers.
- Implement wind erosion control practices as appropriate on all stockpiled material.



- 3. Drilling
- 4. Nonoperating Sites
 - Practice good housekeeping
 - Contain waste
 - Minimize disturbed areas
 - Stabilize disturbed areas
 - Protect slopes/channels
 - **→** Control site perimeter
 - Control site erosion
- B. Water
- 1. Spill Prevention and Control
- 2. Water Control at Excavations
- 3. Sediment Control
- C. Transportation
- 1. Construction Site Exits
- 2. Vehicle/Equipment Maintenance, Fueling and Washing Areas



Figure N-1 - SAM Stormwater
Decision Tree
San Diego County



^{*} Instead of listing/describing all stormwater activities and BMPs, you may reference the SAM Manual Appendix N in your workplan and state that you will adhere to said guidelines.



FIGURE N-2 Common Stormwater Symbols



Sediment trap

Sandbag/gravel bay barrier

Stormwater discharge/sampling location

Protection/velocity dissipation device

Sarthen/grass swales

Silt fences

Fiber rolls

Runoff flow direction

Straw bales

Site entrance/exist

Drop inlet

--- CSM --- Contaminated soil mangaement

Excavation area

— DW → Dewatering



Table N-1 - Stormwater BMPS By SAM Activity

	Stormwater Best Management Practices															
Categories of SAM Activities	Silt Fence	Gravel Bag Barrier	Straw Bale Barrier	Fiber Rolls	Check Dam	Hydraulic Mulch	Hydroseeding	Soil Binders	Straw Mulch	Erosion Control Covers	Sediment Trap	Street Sweeping and Vacuuming	Stabilized Construction Roadway	Entrance/Outlet Tire Wash	Shaker Plates	Good Housekeeping Practices
Soil															-	
Drilling												X	-			X
Stockpiles		×	X	X					100	X	71	100				
Excavation Materials	X	×	X	X	X						Х					
Trenching	X	×	X	X	X						X					1000
UST Removal	X	X	X	X	X						X					
Non-operative Sites (Dirt Lots)	X	×	X	Х	X	X	Х	X	X	X	X					
Water			777													
Decontamination												X	7			X
Transporation																
Construction Site Entrances						1 2						X	X	X	X	X
Vehicle Maintenance and Washing Area											X	X				X



Table N-2: Stormwater Management Practices Standard Project Form

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Categories of SAM Activities	Silt Fence	Gravel Bag Barrier	Straw Bale Barrier	Fiber Rolls	Check Dam	Hydraulic Mulch	hydroseeding	Soil Binders		Erosion Control Covers	Sediment Trap	Street Sweeping and Vacuuming	Stabilized Construction Roadway	Entrance/Outlet Tire Wash	Shaker Plates	Good Housekeeping
Soil	U)	.0	1 60	LL.	0	1	1	(0)	()	I W O	9)	0 >	O O E	W S	(O)	0.0
Drilling																
Stockpiles																
Excavation Materials																
Trenching																
UST Removal													1110			
Non-operative Sites (Dirt Lots)																
Water																
Decontamination																
Transporation																
Construction Site Entrances																
Vehicle Maintenance and Washing Area																



Table N-3 - Co-Permittee Contacts

760-726-1340

Entity	Department	Phone Number
County of San Diego	Section in the second section in the second	888-846-0800
San Diego Unified Port District	Environmental Services	619-686-6254
City of La Mesa	Public Works	619-667-1450
City of El Cajon		619-441-1653
City of National City	Engineering	640 226 4280

Co-Permittee Stormwater Contacts

City of La Mesa	Public Works	619-667-1450
City of El Cajon		619-441-1653
City of National City	Engineering	619-336-4380
City of Imperial Beach	Public Works	619-423-8311
City of Chula Vista	Engineering	619-691-5021
City of Carlsbad	Public Works / Water	760-438-2722
City of Oceanside	Water Utilities	760-435-5800
City of Encinitas	Engineering	760-633-2770
City of Del Mar		760-753-1120
City of San Diego		619-525-8647
City of Lemon Grove		760-438-2722

City of Lemon Grove		760-438-2722
City of Escondido		760-839-4668
City of Poway	Public Services	858-679-5415
City of Coronado	Public Services	619-522-7380
City of San Marcos	Public Works	760-744-1050
City of Solana Beach	Engineering & Public Works	858-720-2470

Engineering

Development Services (Stormwater) 619-258-4100

Co-Permitee Excavation Contacts

Department	Phone Numbe
Planning and Land Use	858-565-5981
Parks & Recreation	619-686-6467
Engineering	619-667-1154
Planning and Zoning	619-441-1741
Engineering	619-336-4380
Community Development	619-628-1356
Permits & Licenses	619-691-5024

Planning & Community Development	760-755-9337
License & Permit	619-446-5000
Planning	619-825-3815



City of Santee

City of Vista

STORMWATER TECHNICAL WORK GROUP

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